

### Title of Paper

## Waterfall vs. Agile – As a tester are they really that different? Is it all in the mind?

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### Presenter/Company

Andrew Hammond, FaHCSIA (AU)

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### Instructional Skill Level

Introductory     Intermediate     Advanced

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### Target Group

Testers, Test Managers and Project Managers

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### Key Points

- Agile Testing
  - Software Testing
  - Test Case Design & system discovery
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### Abstract

For the traditionally trained tester, testing within an Agile environment can be rather confronting – from unstructured requirements, daily builds and dynamic system design. The learning curves are often concurrent (new system and new methodology) and steep. Join with me as I share my journey as I wrestled with traditional testing techniques and their application in an agile world. Along the way I'll offer some different perspectives on the test case development, system discovery and structured testing techniques that can be used no matter what development methodology. At the end of the day, no matter whether the system is being delivered via traditional or agile methods it's our job too carry out the testing to assess the systems' status, readiness for release and fit for purpose.

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### Biography

Having been involved in software testing for eight years now, Andrew has worked with several large government departments, as well as smaller private companies within the local software development community. During this time, Andrew has worked in variety of testing roles from functional tester to test manager, with stints in automation and performance testing.

Throughout his career Andrew has worked with numerous development methodologies from the traditional waterfall projects within the Australian Taxation Office and IP Australia, to Feature Driven Development at the Department of Defence, SCRUM within FaHCSIA and eXtreme Programming in private enterprise.

Over the last 5 years Andrew has been working in a predominantly agile world concentrating on process improvement and assisting organizations to deliver high quality innovative applications by implementing flexible, but effective, software testing practices.

Presently Andrew is presiding over the software testing section within FaHCSIA's Applications Development Branch. This role has been the most challenging to date as it involves the management of four separate testing teams, each testing in completely different testing and development paradigms. One team performs an Accepting Testing role on the customisations implemented by our outsourced development partner. While the second team tests in an agile world, assisting developers deliver high quality to our valued business customers, attempting to meet there needs inline with their

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changing priorities. The third team has responsibility for functional testing and UAT facilitation for one of FaHCSIA's key corporate applications. As important at the testing is assisting to bring about a cultural change focusing on building partnerships with our clients, and together achieving our goals. The fourth and final team is responsible for testing the program of work that will see a consolidation of FaHCSIA's staff onto the one WAN. The testing will cover data and email migration, as well as the supporting infrastructure changes.

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